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Air Force Instruction (AFI) 11-209, *Air Force Aerial Events*, 25 August 2003, is supplemented as follows. This supplement applies to all Air National Guard (ANG) units participating in aerial events (including static displays). For the purpose of AFI 11-209 and this supplement, ANG is functionally considered a Major Command (MAJCOM).

***SUMMARY OF REVISIONS***

**This document is substantially revised and must be completely reviewed.**

Revised notification procedures: ANG units **must** notify the ANG Director of Air and Space Operations (ANG/XO) of their intent to perform all aerial events (including static displays) in accordance with (IAW) **Attachment 6 (Added)** no later than (NLT) five working days prior to event. This required notification will be sent to ANG Current Operations Division Chief (ANG/XOO) by email message: <mailto:ANG.XOO@NGB.ANG.AF.MIL>. Restricts flyovers to between the hours of sunrise and sunset (civil twilight on a case-by case basis). Defines "On-base" to include mixed-use installations. Updates ANG flying profiles for Fighter/Attack Aircraft, HH-60, HC/MC-130 and KC-135. Establishes profiles for C-17s, Combat Rescue Officer (CRO), Pararescueman (PJ), and Survival Evasion Resist Escape (SERE). Removes B-1 profile.

1.2. Procedures contained in this supplement represent the minimum acceptable safety procedures that should be observed. No set of procedures can anticipate all situations that may be encountered; hence, no standard will ever exist which can substitute for common sense, sound judgment, and a continuing concern for safety. The ANG does not conduct dedicated aircraft performance capability demonstrations nor does the ANG provide specially trained air show demonstration teams. However, to support Department of Defense (DoD) policy on participation in public events and air shows, qualified Mission Ready/Mission Capable (MR/MC) aircrews may perform certain maneuvers used during continuation training which supports mission tasking. ANG units may perform ANG Profiles (see **Attachment 5 (Added)**), Aerial Reviews, Flyovers and Static Displays. ANG units **must** notify ANG/XO of their intent to perform all

aerial events (including static displays) IAW **Attachment 6 (Added)** NLT five working days prior to event. This required notification will be sent to ANG/XOO by email message: <mailto:ANG.XOO@NGB.ANG.AF.MIL>. ANG participation is on a unit volunteer basis.

1.2.2. Aircrews selected to perform aerial events must be qualified and proficient in the maneuvers of profiles to be performed. Aircrews should be selected on the basis of military bearing, ability to communicate with the public, and knowledge of equipment. Aircrews will be present in duty uniform, at the aircraft, during the time the public event is open to the maximum extent practical.

1.2.3.1. (Added) Flyovers will only be performed between the hours of sunrise and sunset. ANG/XO will review requests for events during civil twilight on a case-by-case basis.

1.2.5. Airlift aircraft includes HC/MC-130.

4.2.1. Waiver Requests: Request must be approved by ANG/XO.

4.2.2. Unique Requests: Request must be approved by ANG/XO.

4.3.2. A list of approved events can be found at Secretary of the Air Force Public Affairs (SAF/PA) web site: <http://www.airshows.pa.hq.af.mil>.

4.3.3. Outside the continental United States (CONUS), Alaska, Hawaii, Canada, and Mexico. Coordinate through National Guard Bureau International Affairs (NGB-IA): <mailto:NGB.IA@NGB.ANG.AF.MIL> for Director, Air National Guard (NGB/CF) approval.

4.3.8. ANG/XOO serves as the ANG point of contact (POC). Contact via email at <mailto:ANG.XOO@NGB.ANG.AF.MIL>.

4.3.9. ANG does not perform aircraft aerobatic demonstrations; therefore AFI 11-246, Air Force Aircraft Demonstrations, Volumes 1 (A-10, F-15, F-16), 2 (T-6), 3 (F-22, CV-22), 5 (MC-130E/H/P, MH-53J/M) and 6 (C-17, C-130, C-141, C/KC/NKC-135, UH-1) do not apply. Approved ANG Aerial Event Profiles are contained in **Attachment 5 (Added)** of this instruction. Only these will be used.

4.3.15. ANG does not have organic Aerial Control Teams (ACTs). When required, ACTs will be provided by event organizer or requesting agency.

4.6. (Added) **Operations Group Commander Duties.**

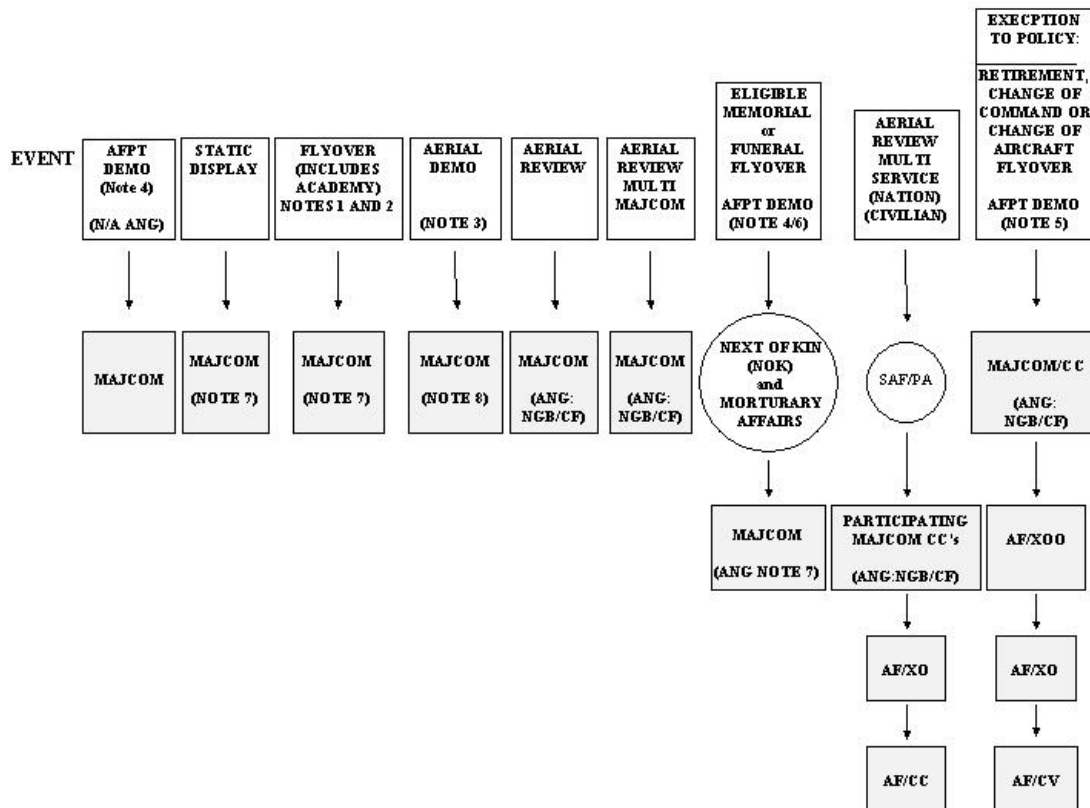
4.6.1. (Added) Evaluates request for aerial event to determine the feasibility and extent of operational participation.

4.6.2. (Added) Provides unit funded resources to complete the aerial event activities.

4.6.3. (Added) Ensures coordination of all aerial event activities identified in **Attachment 5 (Added)**, including civil aviation agencies (e.g., Federal Aviation Administration (FAA)).

4.6.4. (Added) Submits request for approval for foreign aircraft, or foreign dignitary request to participate in aerial events at the unit's base through the Unit Commander, State Adjutant General's (TAG's) Office to ANG/XO. ANG/XO will coordinate through NGB/CF to SAF/PA for approval. Allow a minimum of 30 days to process request.

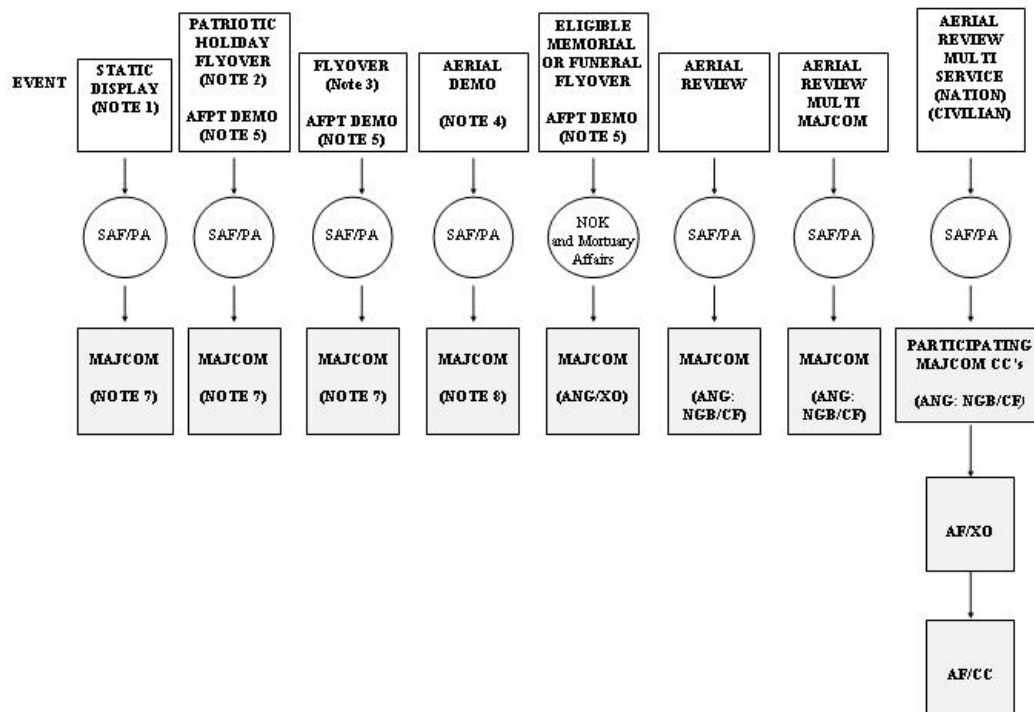
Figure A2.1. Approval for On-Base Aerial Events (for ANG).



**Note 7: (Added)** MAJCOM authority is delegated to the TAG.

**Note 8: (Added)** The Air National Guard does not conduct dedicated aircraft performance capability demonstrations nor does the ANG provide specially trained air show demonstration teams. For approved ANG Aerial Event Profiles refer to [Attachment 5 \(Added\)](#). ANG units **must** notify ANG/XO of their intent to participate in all aerial events IAW [Attachment 6 \(Added\)](#).

Figure A3.1. Approval for Off-Base Aerial Events (for ANG).



**Note 7: (Added)** MAJCOM authority is delegated to the TAG. ANG units will not participate in any off-base events unless it is on the SAF/PA list of approved air shows.

**Note 8: (Added)** The Air National Guard does not conduct dedicated aircraft performance capability demonstrations nor does the ANG provide specially trained air show demonstration teams. For approved ANG Aerial Event Profiles refer to [Attachment 5 \(Added\)](#). ANG units **must** notify ANG/XO of their intent to participate in all aerial events IAW [Attachment 6 \(Added\)](#).

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****Abbreviations and Acronyms***

**ANG**—Air National Guard  
**ACT**—Aerial Control Team  
**AGL**—Above Ground Level  
**CONUS**—Continental United States  
**CRO** —Combat Rescue Officer  
**DoD**—Department of Defense  
**FAA**—Federal Aviation Administration  
**ICAO**—International Civil Aviation Organization  
**IFR**—Instrument Flight Rules  
**KIAS**—Knots Indicated Airspeed  
**LZ**—Landing Zone  
**MAFFS**—Modular Airborne Fire Fighting System  
**MAJCOM**—Major Command  
**MDS**—Mission Design Series  
**MFF**—Military Freefall  
**MR/MC**—Mission Ready/Mission Capable  
**NOK**—Next of Kin  
**PJ**—Pararescueman  
**POC**—point of contact  
**SERE**—Survival Evasion Resist Escape  
**TAG**—State Adjutant General's  
**TRT**—Takeoff Rated Thrust

***Terms***

**On-base**—Mixed Use installations with civil and DoD facilities (such as airfields with civil and Army or Air National Guard aviation assets) are considered “On-base” for the purpose of this instruction. Many airfields in this category are indicated with a “P” after the International Civil Aviation Organization/ Federal Aviation Administration (ICAO/FAA) location identifier in the United States Instrument Flight Rules (IFR) Supplement.

**Attachment 5 (Added)****ANG AERIAL EVENT PROFILES****A5.1. (Added) ANG AERIAL EVENT PROFILES.**

A5.1.1. (Added) The following are ANG/XO approved continuation training profiles at public events. ANG units **must** comply with the following procedures, but are not required to fly the entire profile, or fly the profile in the order depicted. ANG units will coordinate through their respective “TAGs or Delegated Authority” to ANG/XO ensuring that aerial event participation is authorized IAW this instruction.

A5.1.2. (Added) ANG units **must** notify ANG/XO of their intent to participate in all aerial events IAW [Attachment 6 \(Added\)](#).

A5.1.3. (Added) All maneuvers will be flown IAW applicable AFI 11-2X-XX, Mission Design Series (MDS) specific Operations Procedures, Volume 3 instructions.

A5.1.4. (Added) Units will coordinate any requested changes through ANG/XO.

A5.1.5. (Added) ANG/XO will take action IAW Attachments 2 or 3 and coordinate unit requests through appropriate channels.

**A5.2. (Added) C-130 PROFILE: (All Models).**

A5.2.1. (Added) Takeoff - Make a maximum effort takeoff, climbing to traffic pattern altitude. Execute a 180-degree turn back to the runway while configuring to gear down, flaps down 100 percent.

A5.2.2. (Added) Low Pass - Fly the length of the runway at 1000 feet above ground level (AGL) minimum and 250 knots indicated airspeed (KIAS). Execute a climbing 180-degree turn so as to arrive at 4500 feet AGL, ready to reconfigure. Set 100 percent flaps, gear down and assume 140 KIAS.

A5.2.3. (Added) Random Steep Approach - Execute a random steep approach to a maximum effort landing at the approach end of the runway.

A5.2.4. (Added) Maximum Effort Landing.

A5.2.5. (Added) Formation Takeoff/Landing.

A5.2.6. (Added) Airdrop Events; approved on a case-by-case basis by ANG/XO. Send request via [Attachment 6 \(Added\)](#).

A5.2.7. (Added) Ground operations to include backing and combat offload.

A5.2.8. (Added) Modular Airborne Fire Fighting System (MAFFS); approved on a case-by-case basis by ANG/XO. Send request via [Attachment 6 \(Added\)](#).

**A5.3. (Added) FIGHTER PROFILE (FIGHTER, ATTACK, RECONNAISSANCE).**

A5.3.1. (Added) These events may be flown with one aircraft or up to four aircraft in tactical or standard formation except where noted.

A5.3.2. (Added) Tactical Departure: One to four single-ship afterburner takeoffs followed by tactical climb.

A5.3.3. (Added) Fingertip formation flyover, 1000 feet AGL minimum.

A5.3.4. (Added) Tactical Pitch to Landing: The flight flies initial in tactical formation, 1000 feet AGL minimum, and pitches to 1,500 feet AGL downwind with a minimum of five seconds spacing. Aircraft lands or does a low approach and reenters for single ship or formation landing. Authorized for single ship.

A5.3.5. (Added) Two-Ship Formation Landing.

A5.3.6. (Added) Tactical or Fingertip formation overhead patterns, closed patterns (maximum one per aircraft), and landing.

**NOTE:** See [A5.7.3.1. \(Added\)](#) Tanker/Receiver profile.

#### **A5.4. (Added) C-141, C-5 PROFILE.**

A5.4.1. (Added) Takeoff - make Takeoff Rated Thrust (TRT) takeoff, and max performance (L/D max) climbing turn to 4000 feet AGL, not to exceed 30 degrees of bank. Do not begin turn until 500 feet AGL.

A5.4.2. (Added) Fly either a radar controlled or visual box pattern; reenter the pattern in a landing configuration, at an appropriate airspeed, at traffic pattern altitude.

A5.4.3. (Added) Accomplish a missed approach or touch-and-go.

A5.4.4. (Added) Reenter a box pattern for a full-stop landing.

#### **A5.5. (Added) C-17 PROFILE.**

A5.5.1. (Added) Takeoff – Make a max effort takeoff followed by a tactical departure.

A5.5.2. (Added) Tactical arrival to assault landing.

A5.5.3. (Added) Normal Overhead Patterns.

A5.5.4. (Added) Ground operations to include backing and combat offload.

A5.5.5. (Added) Airdrop events; approved on a case-by-case basis by ANG/XO. Send request via [Attachment 6 \(Added\)](#).

A5.5.6. (Added) Formation Takeoff/Landing.

#### **A5.6. (Added) RESCUE.**

A5.6.1. (Added) **HH-60 HELICOPTER PROFILE :**

A5.6.1.1. (Added) Hover Profile. One helicopter performs a hover with a sequence of lateral, forward, rearward, vertical and rotational movement.

A5.6.1.2. (Added) Single-Ship Takeoffs and Landings.

A5.6.1.3. (Added) Formation Takeoff. Two-ship departure.

A5.6.1.4. (Added) Formation Landing.

A5.6.1.5. (Added) Alternate Insertion/Extraction. A deployment or recovery of personnel using fast rope, rappel, rope ladder and/or hoist.

A5.6.1.6. (Added) Personnel Parachute Jumps.

A5.6.1.7. (Added) Simulated Air Refueling: Minimum Altitude 1000 feet AGL. Receivers in Left/Right observation position only.

A5.6.2. (Added) **HC/MC-130: See also C-130 profiles ([A5.2. \(Added\)](#)).**

A5.6.2.1. (Added) HC/MC-130: Minimum airdrop altitude 300 feet AGL.

A5.6.2.2. (Added) HC/MC-130 Simulated Helicopter Refueling. Minimum Altitude 1000 feet AGL, hoses extended. Receiver(s) in left/right observation position(s).

A5.6.2.3. (Added) Personnel Parachute Drops.

A5.6.3. (Added) **CRO/PJ/SERE.**

A5.6.3.1. (Added) Parachute Jumps, Military Freefall (MFF) or Static Line.

A5.6.3.2. (Added) Alternate Insertion/Extraction: Fast Rope, Rappel, Rope Ladder and Hoist.

A5.6.3.3. (Added) Landing Zone (LZ) ground deployment/extraction.

**A5.7. (Added) KC-135 PROFILE.**

A5.7.1. (Added) Takeoff - make Takeoff Rated Thrust (TRT) takeoff, and max performance (L/D max) climbing turn to 4000 feet AGL, not to exceed 30 degrees of bank. Do not begin turn until 500 feet AGL.

A5.7.2. (Added) High speed pass at 1000 feet AGL minimum, 315 KIAS, followed by a wings level climb to 4000 feet AGL.

A5.7.3. (Added) Tanker w/Fighter Receivers; verbal prebrief required between Tanker and Fighters.

A5.7.3.1. (Added) Tanker overflies the runway at 1000 feet AGL at 275 KIAS with boom down and one receiver aircraft on each wing. Receivers in observation position only.



**Attachment 6 (Added)**

**ANG AERIAL EVENT INFORMATION**

**A6.1. (Added) ANG AERIAL EVENT INFORMATION.**

**A6.1.1 (Added)** ANG units **must** notify ANG/XO of their intent to perform all aerial events with the following information NLT five working days prior to event. This notification is required via email to ANG/XOO at <mailto:ANG.XOO@NGB.ANG.AF.MIL>.

Date(s):

Unit:

State:

Number/Type Aircraft:

Name of Air show/Event:

Location of Air show/Event:

ON/OFF Base:

ON/OFF Approved SAF/PA List:

Type of Event to be performed: (Static Display, Flyover, ANG Profiles, etc.)

Unit POC:

POC Phone Number:

Other Significant Details:

DANIEL JAMES III, Lieutenant General, USAF  
Director, Air National Guard